

**R marks**

Should a Restriction Requirement be made concurrent with or following entry of this Amendment, then Applicant provisionally elects the claims group 27-37, and furthermore submits that new claims 38 - 66 should be considered as part of this elected claim group.

Please charge Deposit Account number 50-0996 (STFD.021C1/S98-049A-Con) the requisite **SMALL-ENTITY claims fees for entry of the Preliminary Amendment** (33 new claims; therein 7 independent claims). Applicant respectfully requests that claims 1-26 are cancelled prior to calculation of the additional claims fees.

Should a telephone call help to facilitate examination of the instant application, the Examiner is invited to contact the undersigned at 651/686-6633, extension 101.

A favorable reply is earnestly requested.

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**Marked up Claim Amendments for U.S. Patent Application Serial No. 10/042,426**

37. *(Amended)* A method for manufacturing a carbon nanotube device, the method comprising:

forming a layer of conductive material on an insulative substrate;

etching a trench in the layer of conductive material and exposing the insulative substrate at the bottom of the trench;

forming catalyst material on portions of the layer of conductive material at opposing sides of the trench[;

coupling electrical leads to the conductive material at opposite sides of the trench and applying an electric field across the trench via the electrical leads]; and

[using the electric field for alignment, ]heating the substrate while introducing [molecules] a carbon feedstock gas to the catalyst material and growing an aligned carbon nanotube extending from the catalyst material and across the trench[, the carbon nanotube extending in a direction aligned with the electric field].